Access DB# 125081

SEARCH REQUEST FORM

Scientific and Technical Information Center

		/ /
Requester's Full Name: DAWN	GARRETT E	Examiner # : 76/07 Date: 6/18/200
Art Unit: 1774 Phone Nu	mber 3 272-152	3 Serial Number: 10/144, 390
Mail Box and Bldg/Room Location:	Results	s Format Preferred (circle): PAPER DISK E-MAI
Kemser If more than one search is submitted	tod please prioritize	searches in order of need.
*********	*****	*****************************
Include the elected species or structures, key	words, synonyms, acronyn at may have a special mean	specifically as possible the subject matter to be searched. ns, and registry numbers, and combine with the concept or ning. Give examples or relevant citations, authors, etc, if struct.
Title of Invention: Diphenyl Cletwouninscent Inventors (please provide full names):	anthracene Dence Empli	Dowatives and Organic
		E THUN-MO SON
) 1/02/2003
Earliest Priority Filing Date: (200		• / /
For Sequence Searches Only Please include appropriate serial number.	all pertinent information (pa	rent, child, divisional, or issued patent numbers) along with the
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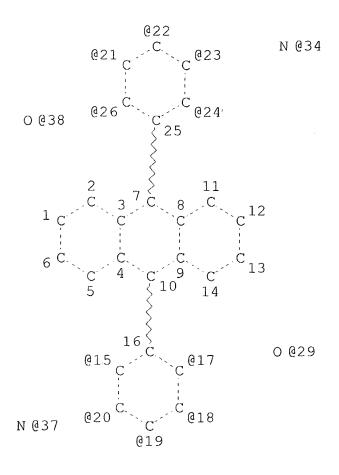
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STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: Ed	NA Sequence (#)	STN \$ 219.20
Searcher Phone #:	AA Sequence (#)	Diálog
Searcher Location:	Structure (#) (2)	(subsets) Questel/Orbit
Date Searcher Picked Up:	Bibliographic	Dr.Link
Date Completed: $6-24-04$	Litigation	Lexis/Nexis
Searcher Prep & Review Time: 5	Fulltext	Sequence Systems
•	Patent Family	WWW/Internet
Glerical Prep Time:	Other	Other (specify)

PTO-1590 (8-01)

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L1	FILE	'LREGISTRY' ENTERED AT 11:37:26 ON 24 JUN 2004 STR
L2 L3 L4 L5	FILE	'REGISTRY' ENTERED AT 11:48:25 ON 24 JUN 2004 0 S L1 STR L1 50 S L3 STR L1
L6 L7 L8 L9	FILE	'REGISTRY' ENTERED AT 11:51:53 ON 24 JUN 2004 50 S L5 2529 S L5 FUL SAV L7 GAR390/A 0 S L1 SSS SAM SUB=L7 6 S L1 SSS FUL SUB=L7 SAV L9 GAR390A/A
L10	FILE	'CAOLD' ENTERED AT 11:56:03 ON 24 JUN 2004 0 S L9
L11	FILE	'ZCAPLUS' ENTERED AT 11:56:08 ON 24 JUN 2004 2 S L9
	FILE	'REGISTRY' ENTERED AT 11:56:45 ON 24 JUN 2004
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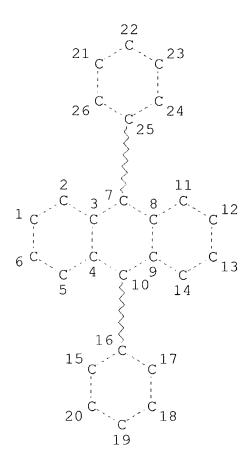


VPA 34-26/21/22/23/24 U
VPA 38-26/21/22/23/24 U
VPA 29-17/18/19/20/15 U
VPA 37-17/18/19/20/15 U
NODE ATTRIBUTES:
NSPEC IS RC AT 34
NSPEC IS RC AT 37
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 30

STEREO ATTRIBUTES: NONE L5 STR



NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE L7 2529 SEA FILE=REGISTRY SSS FUL L5

L9 6 SEA FILE=REGISTRY SUB=L7 SSS FUL L1

6 SEA FILE=REGISTRY SUB=L7 SSS FUL

100.0% PROCESSED 2529 ITERATIONS SEARCH TIME: 00.00.02

6 ANSWERS

=> file zcaplus FILE 'ZCAPLUS' ENTERED AT 11:56:55 ON 24 JUN 2004 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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=> d l11 1-2 ibib abs hitstr hitrn

L11 ANSWER 1 OF 2 ZCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:5185 ZCAPLUS

DOCUMENT NUMBER: 140:78187

TITLE: Polymeric insulation for metalization with

aluminum and copper

INVENTOR(S): Sezi, Recai; Walter, Andreas; Maltenberger,

Anna; Lowack, Klaus; Halik, Marcus

PATENT ASSIGNEE(S): Infineon Technologies Ag, Germany

SOURCE: Eur. Pat. Appl., 41 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT		KIND	DATE			Al	PPLI	DATE						
	EP 1375563			A1 20040102				E	P 200		20030624				
	R:	AT,	BE, C	H, DE	, DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,
		PT,	IE, S	I, LT	, LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,
		SK													
	DE 1022	8769		A1	2004	0205		DI	E 200	02-1	0228	769	2002	0627	
	CN 1472	195		A	2004	0204		Cl	1 200	03-1	4575	0	2003	0627	
	JP 2004	09987.	3	A2	2004	0402		JI	200	03-1	8408	1	2003	0627	
	US 2004	08275	6	A1	2004	0429		US	5 200	03-6	0945	3	2003	0627	
PRIO	RITY APP	LN. I	NFO.:					DE 20	002-1	1022	8769	Α	2002	0627	
AB	The tit	le ma	teria	ls, w	hich d	can l	oe e	asil	y apr	olie	d to	ele	ectro	nic	
	compone														ies
	and res	istan	ce to	chem	s. and	d hea	at,	are p	ooly	(2-h	ydro:	xyan	nides) of	
	specifi	ed st	ructu	re. i	Addin	g 95	mmo.	1 2,	6-nar	ohth	alen	edic	arbo	nvl	
	chlorid	e to :	100 m	mol 4	, 4 ' - (diphe	enylı	nethy	ylene	e)bi:	s (2-	amin	ophe	nol)	in
	N-methy	lpyrr	olido	ne st.	irred	at :	lo°,	stii	rino	a fo	r 1 1	h at			
	10° and								-	-					
	5-norbo	rnene	-2,3-	dicabo	oxylic	c anh	nydr.	ide :	in 50	mL	γ-				
	butyrol	acton	e dro	owise	at 10	o°, a	and :	stirı	cing	at :	10° :	for			
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	soln. o														
	2, and													stabi	ilitv
	are exe			* *											
ΙT	640298-	-		lized	64029	98-43	3-7D	, end	d-car	ped					

IT 640298-42-6D, cyclized 640298-43-7D, end-capped with methacrylic acid, cyclized

(polymeric insulation for metalization with aluminum and copper)
RN 640298-42-6 ZCAPLUS
CN 2,6-Naphthalenedicarbonyl dichloride, polymer with

2,6-Naphthalenedicarbonyl dichloride, polymer with 4,4'-(9,10-anthracenediyl)bis[2-aminophenol], [1,1'-biphenyl]-4,4'-dicarbonyl dichloride and 4,4'-(diphenylmethylene)bis[2-aminophenol] (9CI) (CA INDEX NAME)

CM 1

CRN 640298-41-5 CMF C26 H20 N2 O2

CM 2

CRN 20638-06-6 CMF C25 H22 N2 O2

CM 3

CRN 2351-37-3 CMF C14 H8 C12 O2

CM 4

CRN 2351-36-2 CMF C12 H6 C12 O2

RN 640298-43-7 ZCAPLUS

CN 2,6-Naphthalenedicarbonyl dichloride, polymer with 4,4'-(9,10-anthracenediyl)bis[2-aminophenol], 4,4'-diamino[1,1'-biphenyl]-3,3'-diol and 5-(phenylethynyl)-1,3-benzenedicarbonyl dichloride (9CI) (CA INDEX NAME)

CM 1

CRN 640298-41-5 CMF C26 H20 N2 O2

CM 2

CRN 393543-14-1 CMF C16 H8 C12 O2

CM 3

CRN 2373-98-0

CMF C12 H12 N2 O2

CM 4

CRN 2351-36-2 CMF C12 H6 C12 O2

IT 640298-42-6D, cyclized 640298-43-7D, end-capped

with methacrylic acid, cyclized

(polymeric insulation for metalization with aluminum and copper)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR

THIS RECORD. ALL CITATIONS AVAILABLE IN

THE RE FORMAT

L11 ANSWER 2 OF 2 ZCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2004:5168 ZCAPLUS

DOCUMENT NUMBER:

140:77566

TITLE:

Preparation of bis-2-amino(thio)phenols for use

in heterocyclic polymers

INVENTOR(S):

Walter, Andreas; Gnuechtel, Ingo; Maltenberger,

Anna; Sezi, Recai; Hartmann, Horst

PATENT ASSIGNEE(S):

Infineon Technologies Ag, Germany

SOURCE:

Eur. Pat. Appl., 17 pp. CODEN: EPXXDW

DOCUMENT TYPE:

TANGUE GE

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

	PATENT	KIND DATE							DATE							
	EP 1375471			A1 20040102				EP 2003-12042						20030528		
	R:		-	-		DK,	-			•		-		-	-	
			IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,
		SK							_							
			A1 20040129							20020627						
	JP 2004026831									P 20						
	CN 1470															
			0040311 US 2003-609456 2													
PRIORITY APPLN. INFO.: DE 2002-10228763 A 20020627																
OTHE	R SOURCE	(S):			MAF	RPAT	140:	7756	6							
AB The title compds., useful in prodn. of insulating polymers (e.g.,													. ,			
polybenzoxazoles, polybenzothiazoles), are prepd. by nitr(os)ation													Lon			
of the corresponding phenols and catalytic hydrogenation of the																
	nitro(so) compds. Adding 20 mL isoamyl nitrite dropwise to 57 mmol													nmol		
	4,4'-(diphenylmethylene)bisphenol in 100 mL AcOH at room temp. gave															
	91% 4,4'-(diphenylmethylene)bis(2-nitrosophenol) (I). Hydrogenation															
	of 50 m	mol 3	I in	250	mL	THF o	over	2.0	0 g :	5% P	d/C	cata:	lyst	at:	room	
	temp./2	bar	for	24 ł	n ga	ive 9	4% 4	, 4'-	(dipl	heny.	lmet	hyle:	ne)k	ois(2	_	
	aminoph	enol)), is	solat	ced	as t	he h	ydro	chlo:	ride						
ΙT	640289-							-								
	(pre	pn. a	and o	demet	hyl	atio	n)									
RN	640289-	13-0	ZCI	APLUS	5											
CN	Anthrac NAME)	ene,	9,10	D-bis	5 (4-	meth	эху-	3-ni	tropl	heny.	1)-	(9CI) (CA I	NDEX	

ΙT

(prepn. and hydrogenation)

RN 640289-14-1 ZCAPLUS

CN Phenol, 4,4'-(9,10-anthracenediyl)bis[2-nitro-(9CI) (CA INDEX NAME)

IT 640289-15-2P

(prepn. of diaminobisphenols)

RN 640289-15-2 ZCAPLUS

CN Phenol, 2-amino-4-[10-(4-hydroxy-3-nitrophenyl)-9-anthracenyl]-(9CI) (CA INDEX NAME)

IT 640289-13-0P

(prepn. and demethylation)

IT 640289-14-1P

(prepn. and hydrogenation)

IT 640289-15-2P

(prepn. of diaminobisphenols)

3

REFERENCE COUNT:

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT